BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to roads near Sai Baba temple in ward no. 8**

							Estimate Cost:		2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications. - RCC grade M20 and above (PWDSR 2014-15, I. 18.19, P. 133)								
	1st main road	cum	1	94.00	5.20	0.05	24.44		
	2nd cross road	cum	1	100.00	5.00	0.05	25.00		
	temple backside road	cum	1	70.00	5.00	0.05	17.50		
							66.94	954.72	63909
	Basic Rate	884.00							
	Area Weightage @ 8%	70.72							
	Total	**954.72**							
2	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 138 / Item No. 19.1/ PWD SR 2014-15								
	Drain Desilting	Cum	2	94.00	0.45	0.45	38.07		
		Cum	2	100.00	0.45	0.45	40.50		
		Cum	2	70.00	0.45	0.45	28.35		
	cuvlerts	Cum	1	0.00	2.50	1.20	0.00		
							106.92	75.60	8083.00
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2014-15								
	1st main road	Cum	1	94.00	5.20	0.15	73.32		
	2nd cross road	Cum	1	100.00	5.00	0.15	75.00		
	temple backside road	Cum	1	70.00	5.00	0.15	52.50		
							200.82	4847.04	973383.00
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	**4847.04**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2014-15**								
	1st main road	Cum	1	94.00	5.20	0.10	48.88		
	2nd cross road	Cum	1	100.00	5.00	0.10	50.00		
	temple backside road	Cum	1	70.00	5.00	0.10	35.00		
		Cum					**133.88**	5852.52	**783535.00**
	Basic Rate	5419.00	✓						
	Area Weightage @8%	433.52	✓						
	Total	**5852.52**	✓						
5	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **171 / Item No. 22.7 / PWD SR 2014-15**								
	1st main road	Sqm	1	94.00	5.20		488.80		
	2nd cross road	Sqm	1	100.00	5.00		500.00		
	temple backside road	Sqm	1	70.00	5.00		350.00		
		Sqm					**1338.80**	97.20	**130131.00**
	Basic Rate	90.00	✓						
	Area Weightage @8%	7.20	✓						
	Total	**97.20**	✓						
6	Providing groove cutting for **cement pavement** wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications **Page No. 172 / Item No. 22.8 / PWD SR 2014-15**								
		Rmt	2	5.20			10.40		
		Rmt	2	5.00			10.00		
		Rmt	2	5.00			10.00		
		Rmt					**30.40**	124.20	**3776.00**
	Basic Rate	115.00	✓						
	Area Weightage @8%	9.20	✓						
	Total	**124.20**	✓						
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)								
			Vide Item No. 1 & 2				**173.86**	73.57	**12791.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00	✓						
		68.12							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
8	Sub Total								**1975608.00**
9	For Third Part QC inspection Charges @ 1% of Estimate Cost								**19756.00**
10	Miscellaneous and other Charges	L/S							**4636.00**
								Total	**2000000.00**
(Rs. Twenty Lakhs Only)									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Sanction for Rs.....
Administrative Approval
Accorded for Rs 20.00 lakhs.
recorded under head.....
P3055
.....
entered as CE No. 111 Dt: 21.01.15 Subject
Conditions contained in enclosed memo
No...../.....Dr.....

AE/JE TA SE (BTP) CE (BTP)
(YNK)

Technical Sanction for Rs. 20.00 L
Twenty lakhs only.
P-3055
58
to communicate contained enclosed memo.
No: 339 Dt: 21/01/15
AE/JE 21/01
EE/BTP Div.

(2)

Sketch Showing For Improvements TO Roads Near Sai Baba Temple And Kodigehalli Village In Ward NO-08 Kodigehalli